



PATENT  
Attorney Docket No. HOE95/F236US  
LVM Reference No. 225035

**COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION  
AND POWER OF ATTORNEY**

- ☐ Declaration Submitted with Initial Filing                      OR  
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**AEROGEL-COATED SHEET**

the specification of which:

- ☐ is attached hereto.  
☐ was filed on                      as Application No.                      and was amended on                      (*if applicable*).  
☒ was filed by Express Mail No. EV 329750030 US as Application No. 10/706,482, and was amended on November 12, 2003.  
☐ was filed on                      as PCT International Application No. PCT/                      and was amended on                      (*if any*).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I claim foreign priority benefits under 35 USC 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, utility model, design registration, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter and having a filing date before that of the application(s) from which the benefit of priority is claimed.

PRIOR FOREIGN APPLICATION NUMBER(S)	COUNTRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY CLAIMED		CERTIFIED COPY ATTACHED	
			YES	No	YES	No
19537821	DE	November 10, 1995	X			X
19606114	DE	February 20, 1996	X			X
PCT/EP96/04434	PCT	October 11, 1996	X			X

In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Martha Ann Finnegan, Reg. No. 31,453  
Michelle B. Lando, Reg. No. 33,941  
Robert J. Follett, Reg. No. 39,566  
Robert M. Amici, Reg. No. 52,554

all of Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100, Facsimile (978) 670-8027.

Please recognize as associate attorneys in this case:

John Kilyk, Jr., Reg. No. 30,763  
Christopher T. Griffith, Reg. No. 33,392  
Jeremy M. Jay, Reg. No. 33,587  
Bruce M. Gagala, Reg. No. 28,844  
John L. Gase, Reg. No. 47,590

I further direct that correspondence concerning this application be directed to Robert J. Follett, Intellectual Property Counsel, Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100.

The undersigned inventors believe the original patent, U.S. Patent No. 6,316,092, to be partially inoperative by reason of claiming more or less than the undersigned had a right to claim. At least one error is now apparent to the applicants. With respect to the originally issued claims 1-21, these claims fail to explicitly recite a film comprising a material selected from the group consisting of polytetrafluoroethylene, polyvinylacetate, polyvinylfluoride, polyvinylacrylonitrile, polyoxymethylene, polyphenylenesulfone and polyimide. All errors being corrected in the reissue application up to the time of filing of this declaration arose without deceptive intention on the part of the undersigned. In particular, the aforementioned error was made without any deceptive intent on the part of the applicants and was discovered only recently, during a review of the patent claims after the issuance of the patent. To rectify this error, the additional claims are being pursued, by way of a reissue application, which additional claims are directed to the previously unclaimed subject matter.

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: DIERK FRANK

Inventor's signature

Dierk Frank

Date

16. Juni 2004

Country of Citizenship: Germany

Residence: Munich, Germany  
(city/state or country)

Post Office Address:  
(complete mailing address)

Vorhoelzer Str. 1  
81477 Munich  
Germany

In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

Full name of **second joint inventor**, if any: FRITZ SCHWERTFEGER

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address: Sankt-Augustinus-Str. 19  
(complete mailing address) 81825 Griesheim  
Germany

Full name of **third joint inventor**, if any: ANDREAS ZIMMERMANN

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_ Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address: Im Dürren Kopf 27a  
(complete mailing address) 64347 Griesheim  
Germany



PATENT  
Attorney Docket No. HOE95/F236US  
LVM Reference No. 225035

**COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION  
AND POWER OF ATTORNEY**

- ☐ Declaration Submitted with Initial Filing                      OR  
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**AEROGEL-COATED SHEET**

the specification of which:

- ☐ is attached hereto.  
☐ was filed on        as Application No.        and was amended on        (*if applicable*).  
☒ was filed by Express Mail No. EV 329750030 US as Application No. 10/706,482, and was amended on November 12, 2003.  
☐ was filed on        as PCT International Application No. PCT/        and was amended on        (*if any*).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I claim foreign priority benefits under 35 USC 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, utility model, design registration, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter and having a filing date before that of the application(s) from which the benefit of priority is claimed.

PRIOR FOREIGN APPLICATION NUMBER(S)	COUNTRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY CLAIMED		CERTIFIED COPY ATTACHED	
			YES	No	YES	No
19537821	DE	November 10, 1995	X			X
19606114	DE	February 20, 1996	X			X
PCT/EP96/04434	PCT	October 11, 1996	X			X

In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Martha Ann Finnegan, Reg. No. 31,453  
Michelle B. Lando, Reg. No. 33,941  
Robert J. Follett, Reg. No. 39,566  
Robert M. Amici, Reg. No. 52,554

all of Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100, Facsimile (978) 670-8027.

Please recognize as associate attorneys in this case:

John Kilyk, Jr., Reg. No. 30,763  
Christopher T. Griffith, Reg. No. 33,392  
Jeremy M. Jay, Reg. No. 33,587  
Bruce M. Gagala, Reg. No. 28,844  
John L. Gase, Reg. No. 47,590

I further direct that correspondence concerning this application be directed to Robert J. Follett, Intellectual Property Counsel, Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100.

The undersigned inventors believe the original patent, U.S. Patent No. 6,316,092, to be partially inoperative by reason of claiming more or less than the undersigned had a right to claim. At least one error is now apparent to the applicants. With respect to the originally issued claims 1-21, these claims fail to explicitly recite a film comprising a material selected from the group consisting of polytetrafluoroethylene, polyvinylacetate, polyvinylfluoride, polyvinylacrylonitrile, polyoxymethylene, polyphenylenesulfone and polyimide. All errors being corrected in the reissue application up to the time of filing of this declaration arose without deceptive intention on the part of the undersigned. In particular, the aforementioned error was made without any deceptive intent on the part of the applicants and was discovered only recently, during a review of the patent claims after the issuance of the patent. To rectify this error, the additional claims are being pursued, by way of a reissue application, which additional claims are directed to the previously unclaimed subject matter.

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: DIERK FRANK

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

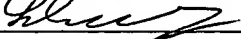
Country of Citizenship: Germany

Residence: Munich, Germany  
(city/state or country)

Post Office Address: Vorhoelzer Str. 1  
(complete mailing address) 81477 Munich  
Germany

In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

Full name of **second joint inventor**, if any: FRITZ SCHWERTFEGER

Inventor's signature 

Date 06.04.04

Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address:  
(complete mailing address)

Sankt-Augustinus-Str. 19  
81825 Griesheim  
Germany

*München FS 909*

Full name of **third joint inventor**, if any: ANDREAS ZIMMERMANN

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address:  
(complete mailing address)

Im Dürren Kopf 27a  
64347 Griesheim  
Germany



PATENT  
Attorney Docket No. HOE95/F236US  
LVM Reference No. 225035

COMBINED DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION  
AND POWER OF ATTORNEY

- ☐ Declaration Submitted with Initial Filing                      OR  
☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first, and sole inventor (*if only one name is listed below*) or an original, first, and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

AEROGEL-COATED SHEET

the specification of which:

- ☐ is attached hereto.  
☐ was filed on                      as Application No.                      and was amended on                      (*if applicable*).  
☒ was filed by Express Mail No. EV 329750030 US as Application No. 10/706,482, and was amended on November 12, 2003.  
☐ was filed on                      as PCT International Application No. PCT/                      and was amended on (*if any*).

I state that I have reviewed and understand the contents of the specification identified above, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I claim foreign priority benefits under 35 USC 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application(s) designating at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application(s) for patent, utility model, design registration, inventor's or plant breeder's rights certificate(s), or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter and having a filing date before that of the application(s) from which the benefit of priority is claimed.

PRIOR FOREIGN APPLICATION NUMBER(S)	COUNTRY	FOREIGN FILING DATE (MM/DD/YYYY)	PRIORITY CLAIMED		CERTIFIED COPY ATTACHED	
			YES	No	YES	No
19537821	DE	November 10, 1995	X			X
19606114	DE	February 20, 1996	X			X
PCT/EP96/04434	PCT	October 11, 1996	X			X

In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

As a named inventor, I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Martha Ann Finnegan, Reg. No. 31,453  
Michelle B. Lando, Reg. No. 33,941  
Robert J. Follett, Reg. No. 39,566  
Robert M. Amici, Reg. No. 52,554

all of Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100, Facsimile (978) 670-8027.

Please recognize as associate attorneys in this case:

John Kilyk, Jr., Reg. No. 30,763  
Christopher T. Griffith, Reg. No. 33,392  
Jeremy M. Jay, Reg. No. 33,587  
Bruce M. Gagala, Reg. No. 28,844  
John L. Gase, Reg. No. 47,590

I further direct that correspondence concerning this application be directed to Robert J. Follett, Intellectual Property Counsel, Cabot Corporation, Billerica Technical Center, 157 Concord Road, Billerica, MA 01821-7001, Telephone (978) 670-6100.

The undersigned inventors believe the original patent, U.S. Patent No. 6,316,092, to be partially inoperative by reason of claiming more or less than the undersigned had a right to claim. At least one error is now apparent to the applicants. With respect to the originally issued claims 1-21, these claims fail to explicitly recite a film comprising a material selected from the group consisting of polytetrafluoroethylene, polyvinylacetate, polyvinylfluoride, polyvinylacrylonitrile, polyoxymethylene, polyphenylenesulfone and polyimide. All errors being corrected in the reissue application up to the time of filing of this declaration arose without deceptive intention on the part of the undersigned. In particular, the aforementioned error was made without any deceptive intent on the part of the applicants and was discovered only recently, during a review of the patent claims after the issuance of the patent. To rectify this error, the additional claims are being pursued, by way of a reissue application, which additional claims are directed to the previously unclaimed subject matter.

I declare that all statements made herein of my own knowledge are true, that all statements made on information and belief are believed to be true, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: DIERK FRANK

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Germany

Residence: Munich, Germany  
(city/state or country)

Post Office Address: Vorhoelzer Str. 1  
(complete mailing address) 81477 Munich  
Germany



In re Appln. of Frank et al.  
Attorney Docket No. HOE95/F236US

Full name of **second joint inventor**, if any: FRITZ SCHWERTFEGER

Inventor's signature \_\_\_\_\_

Date \_\_\_\_\_

Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address:  
(complete mailing address)

Sankt-Augustinus-Str. 19  
81825 Griesheim  
Germany

Full name of **third joint inventor**, if any: ANDREAS ZIMMERMANN

Inventor's signature \_\_\_\_\_

Date 3.6.04

Country of Citizenship: Germany

Residence: Griesheim, Germany  
(city/state or country)

Post Office Address:  
(complete mailing address)

Im Dürren Kopf 27a  
64347 Griesheim  
Germany